R A D I O N I C S

READYKEY® K6000-AM Area Master Network Controller

Specifications Sheet

Features

- PC Interface and Software for K2000-AM System
- Designed for IBM PCs
- Highly Reliable
- Simple to Use and Manage
- Central Administration and Reporting, PC Editing
- Real Time Event Monitoring, and System Status Displays
- Up to 16 Doors
- 4000 Users, 750 Visitors
- 32 Operator Levels
- UL 294 listed

System Description

A proven system, Radionics' READYKEY® Access Control and Monitoring system is a highly reliable electronic key based system. K6000-AM Area Master Network Controllers are suitable for hardwired single sites with up to 16 doors. Touchfree™ electronic key recognition is used to provide vandal resistant, highly reliable personnel identification using readers that are unobtrusive and easily installed. K2000-N Door Controllers with distributed intelligence are linked to the K2000-AM Area Master Door Controller with a 6-wire cable, at up to 3,000 ft. The K2000-AM is connected to the K6000-AM with a 4-wire, 22 AWG cable, at a maximum distance of 3,000 ft.

Area Master Network Controller

The Area Master Network Controller provides full system administration and enhanced event and analysis reporting from an office environment. It enables easy communication between the K2000-AM Area Master Door Controller and a standard IBM AT or PS/2-286 computer.

The Area Master is supplied with a Line Driver for the K2000-AM serial port, an interface that connects to the PC serial port, software, and an office administration reader.

Distributed Intelligence

The K6000-AM system operates on a distributed intelligence basis, using a total of 3 K2000-N Door Controllers connected to a K2000-AM Area Master Door Controller. Thus, if communication with the K 2000-AM is lost, all events are verified, time and date stamped, and carried out by individual door controllers. Each K2000-AM can buffer 3,000 events. On restoral, the system automatically uploads the stored information to the PC. Each K2000-N Door Controller can connect to four access points, buffer 2,500 events, accommodate 4,000 users, and connect to a maximum of four K2015 Alarm Modules. Each K2015 Alarm Module has eight alarm inputs and four relay outputs (for an auxiliary total of 128 inputs and 64 outputs).

System Software

The system provides the following features as a minimum requirement:

Number of Personnel: 4,000; each with a 20 character description and specific time and access point authority.

Number of Visitors: 750; each with a 20 character description, valid dates, and specific time and access point authority.

Alarm Messages: 512; each with 32 characters, with any four messages assignable to each alarm monitoring point.

Vacation Profiles: 24; each with a selection of 20 separate periods.

Access Codes: 128; each consisting of up to two combinations of Access Levels and Time Profiles.

Access Levels: 128; each consisting of 20 Access Groups.

Access Group: 128; each consisting of one to 16 access points.

Time Profiles: 32; each with up to three Time Periods.

Time Periods: 32; each with time 00:00 to 23:59, and selected days of the week, and holiday.

Access Points: 16 per site; each with 20 character name, programmable lock release time, door open time, assignable time profile for automatic lock/unlock.

Reports: Fully user-definable reporting, all in plain English text.

Editing 32 operator levels; each with key and password entry into menu-driven editor with a programmable authority level.

Specifications

Overall Dimensions:

Interface Unit: Height: 4"   Width: 5 "   Depth: 3" nominal

Office Administration Reader: Height: 4 "   Width: 6 "   Depth: 2" nominal

Environment:

Temperature: -31°F to 104°F (-35°C to 40°C) for UL 294 listed systems.

Relative Humidity: 0 to 90% non-condensing. 0 to 85% for UL listed systems.

Power Requirements:

16.5 VAC ±15% @ 25VA (Radionics D1625 Transformer, ordered separately)

Computer Interface:

RS232 (9-pin and 25-pin cable, included)

Computer Requirements:

IBM PC/AT or IBM PS/2 (30/286), 20Mb Hard Disk, High Density Floppy Disk Drive, color monitor, serial port, at least MS DOS 5.0 version, parallel printer port.
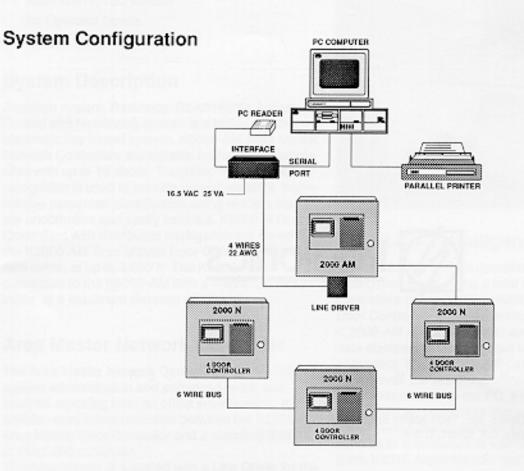
System Configuration

Figure 1: Typical K6000-AM System Configuration

Radionics™

THE QUALITY LEADER

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